The eye 32 of the spring 2 is journaled upon a bolt 33 which passes freely through one of the branches of the yoke 31 and has its reduced end 34 threaded through the other branch of the yoke, a nut 35 being applied to the projecting end 34 of the bolt for holding the bolt against displacement, said nut being held against rotation by a pin 36 which passes through the bolt and has its ends occupying notches in the nut.

It will be seen from the drawing that the weight of the vehicle body is such as will cause a slight depression of the spring 25, and also that the casing 27 normally stands substantially vertical. From such position, the swinging portion of the hanger is permitted to move freely upon its trunnions in either direction to compensate for the lengthening and shortening of the principal spring 2. In the operation of the device, should the wheel of the vehicle strike an obstruction, such as a stone, the wheel will ride up over said obstruction and transmit its movement to the block 17 through the axle 1 and the post 6. This will cause the spring 25 to be compressed between the upper face of the block 17 and the disk 22 and absorb the greater portion of such movement of the wheel, the portion transmitted to the rod being so small that it is practically taken up by the principal spring before it reaches the body of the vehicle.

Having thus described my invention, what I claim is:

1. A device of the character set forth comprising, in combination, a bracket adapted to be secured to a vehicle axle having a forked end, the branches whereof are provided with inwardly projecting trunnions, a member journaled upon said trunnions and having a substantially vertical bore, a rod which is adapted to reciprocate within said bore and having an abutment which is spaced from said member, an elastic member interposed between said member and the abutment, and connecting means carried by one end of said rod.

2. A device of the character set forth comprising, in combination, a forked bracket each branch whereof terminates in an internally threaded eye, a screw adapted to occupy each eye and having an inwardly projecting extension, a block trunnioned upon the screw extensions and having a substantially vertical bore, a rod adapted to reciprocate within said bore and having an abutment spaced in one direction from the aforesaid block, connecting means secured to the rod on the side of the block opposite the aforesaid abutment, and an elastic member interposed between the block and the abutment.

3. In a device of the character set forth, a bracket having a shank adapted to be attached in upright position upon an automobile part and having at its upper end a pair of offset fork arms, a trunnion carried by each arm, a block having a vertical bore, said block being pivoted upon said trunnions transversely of said bore, a rod projecting through said bore and adapted to reciprocate therein, a shouldered member carried by said rod above said block, a transverse pivot member carried by said rod below said block, and a compression spring interposed between said shouldered member and block, said pivot member being adapted to receive the end of a leaf spring.

4. A device of the character set forth comprising, in combination, a forked bracket the branches whereof are provided with opposed trunnions, a circular block pivoted with the trunnions of the bracket and having a substantially central vertical bore, a rod adapted to reciprocate within said bore and extending above and below the block, a disk secured to the upper end of the rod, an elastic member interposed between the disk and one of the circular faces of the aforesaid block, a yoke carried by the lower end of the rod, and a cylindrical casing which has its lower end threaded upon the upper end of the block and its opposite end closed.

5. A device of the character set forth comprising, in combination, a bracket having a shank adapted for attachment to the axle of an automobile and also having a pair of spaced branches, each of which terminates in an internally threaded eye, a screw within each eye which is provided with an inwardly projecting extension, a cylindrical block trunnioned upon the screw extensions and having a substantially central vertical bore, a rod adapted to reciprocate within said bore and extending above and below the block, a disk secured to the upper end of the rod, an elastic member interposed between the disk and one of the circular faces of the aforesaid block, and a yoke carried by the lower end of the rod, said yoke being adapted to receive one end of a vehicle spring and said bracket being offset so that said yoke may swing beneath said trunnions.

In testimony whereof, I hereunto affix my signature in the presence of two witnesses.

JOSEPH A. WILLIAMS.

Witnesses:
J. B. HULL,
BRENNAN B. WEST.